

THESIS ABSTRACT

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Title: A COMPARATIVE STUDY OF SIRIRAJ AND GREEK SCORE IN DIFFERENTIATING ACUTE ISCHEMIC STROKE FROM HEMORRHAGIC STROKE.

Period of study: April 2016- September 2016

Institution: Govt. Kilpauk Medical College, Chennai

Background: Stroke is an important cause of death and disability in India, with a prevalence of 262/1000000 in rural areas and 424/100000 in urban areas. Classifying stroke in to Ischaemic and Haemorrhagic stroke as early as possible is very essential to start treatment.

Methods: A cross-sectional study was conducted in 120 patients with features of Anterior circulation stroke admitted to our hospital and the data collected is used to compute Siriraj and Greek stroke score.

Results: Analysis of Siriraj and Greek stroke scores shows accuracy of 62.3% and 79.2% in detecting Infarct respectively. Both scores shows 91.5 % accuracy in detecting Haemorrhage.

Conclusion: Both the scores can be used to rule out Haemorrhage in rural set-ups where immediate radiographing is not available. When both the scores are used simultaneously, accuracy increases. Still, CT Brain is the investigatory modality whenever it is available.

Keywords: *Stroke, Ischaemic, Haemorrhagic, Siriraj score, Greek score, CT Brain*